Bang&Olufsen

Beocenter 2300

Type 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620

Beocenter 2300

Type 2611, 2612 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620

SERVICE ANVISNING
SERVICE MANUAL
SERVICEANLEITUNG
MANUAL d'ENTRETIEN

Indklæbes i Serviceanvisningen Beosystem 2500 (3538775)
Paste into Service Manual Beosystem 2500 (3538775)
In Serviceanleitung Beosystem 2500 (3538776) einkleben
A coller le Manual d'entretien pour Beosystem 2500 (3538776)

3538787

6-91

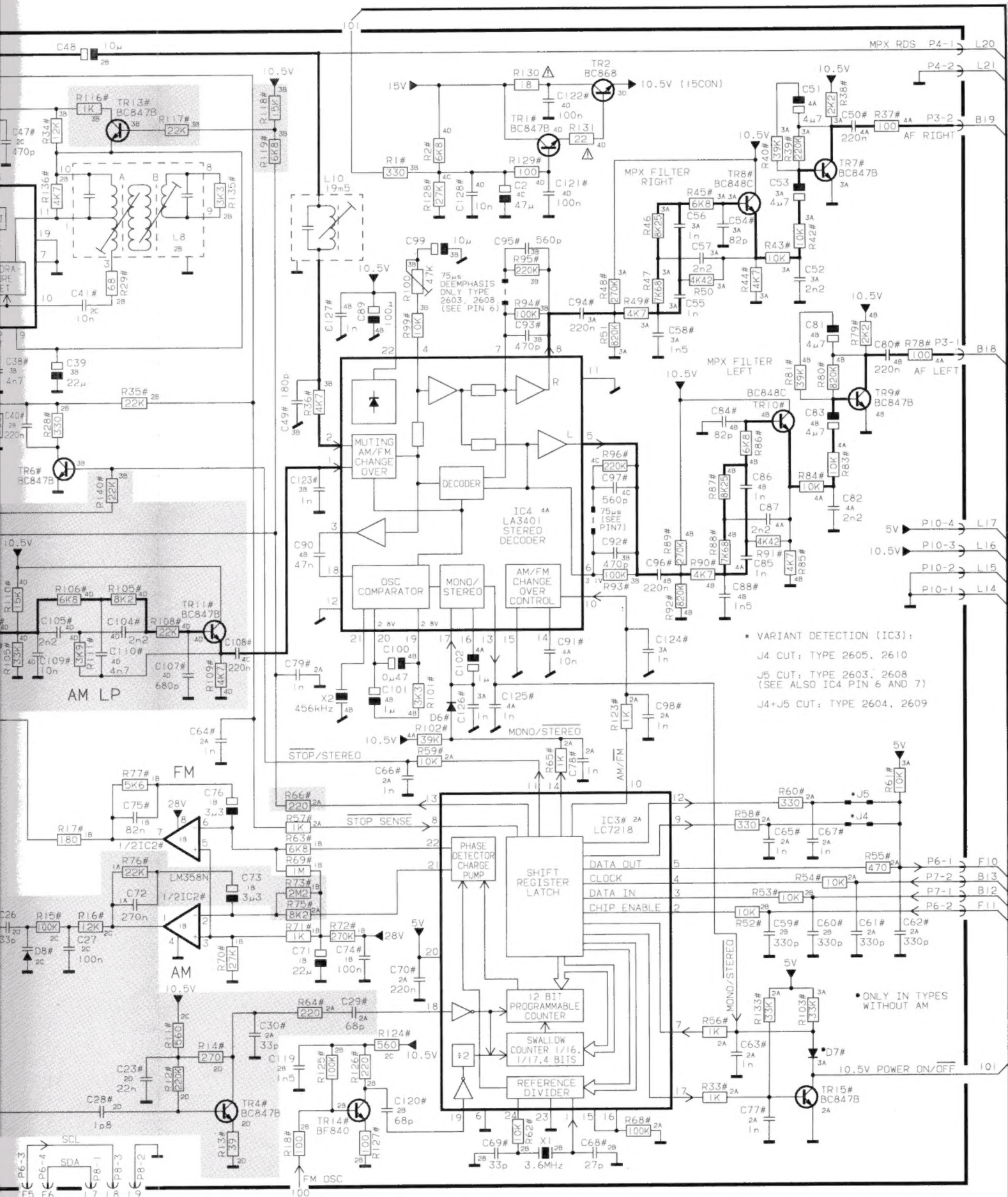

MPX RDS P4-1 L20
P4-2 L21
P3-2 B19
AF RIGHT
P3-1 B18
AF LEFT
MPX FILTER RIGHT
MPX FILTER LEFT
MUTING AM/FM CHANGE OVER
DECODER
IC4 LA3401 STEREO DECODER
OSC COMPARATOR
MONO/ STEREO
AM/FM CHANGE OVER CONTROL
75µs DEEMPHASIS ONLY TYPE 2603, 2608 (SEE PIN 6)
75µs (SEE PIN7)
456kHz
MONO/STEREO
STOP/STEREO
STOP SENSE
IC3# 2A LC7218
PHASE DETECTOR CHARGE PUMP
SHIFT REGISTER LATCH
12 BIT PROGRAMMABLE COUNTER
SWALLOW COUNTER 1/16, 1/17, 4 BITS
REFERENCE DIVIDER
DATA OUT
CLOCK
DATA IN
CHIP ENABLE
FM
AM
AM LP
LM358N
1/2IC2
1/2IC4
TR1# BC847B
TR2 BC868
TR4# BC847B
TR6# BC847B
TR7# BC847B
TR8# BC848C
TR9# BC847B
TR10# BC848C
TR11# BC847B
TR13# BC847B
TR14# BF840
TR15# BC847B
10.5V (15CON)
10.5V POWER ON/OFF
FM OSC
SCL
SDA
• VARIANT DETECTION (IC3):
J4 CUT: TYPE 2605, 2610
J5 CUT: TYPE 2603, 2608 (SEE ALSO IC4 PIN 6 AND 7)
J4+J5 CUT: TYPE 2604, 2609
• ONLY IN TYPES WITHOUT AM

DIAGRAM A FM/AM, RF, IF decoder

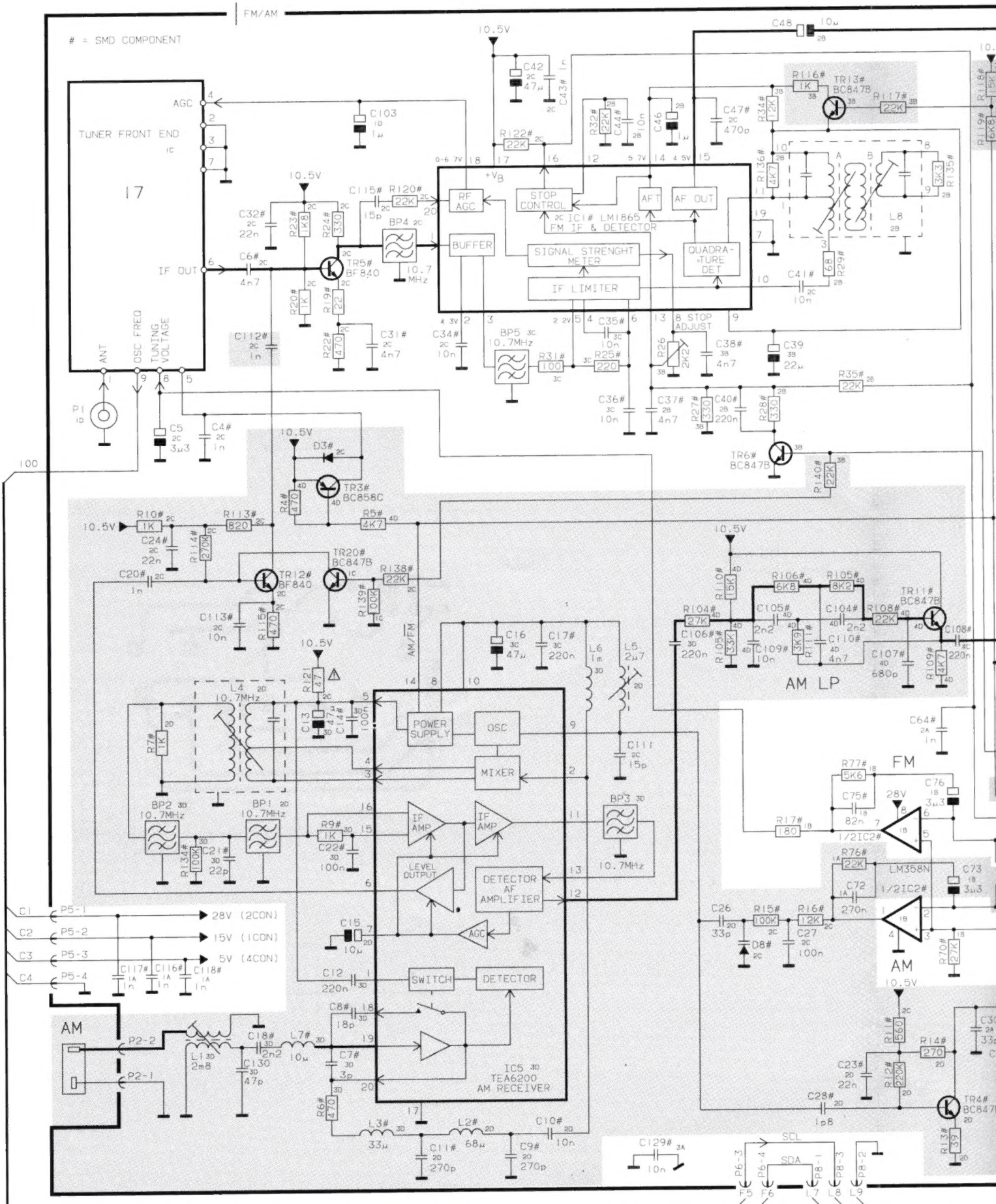
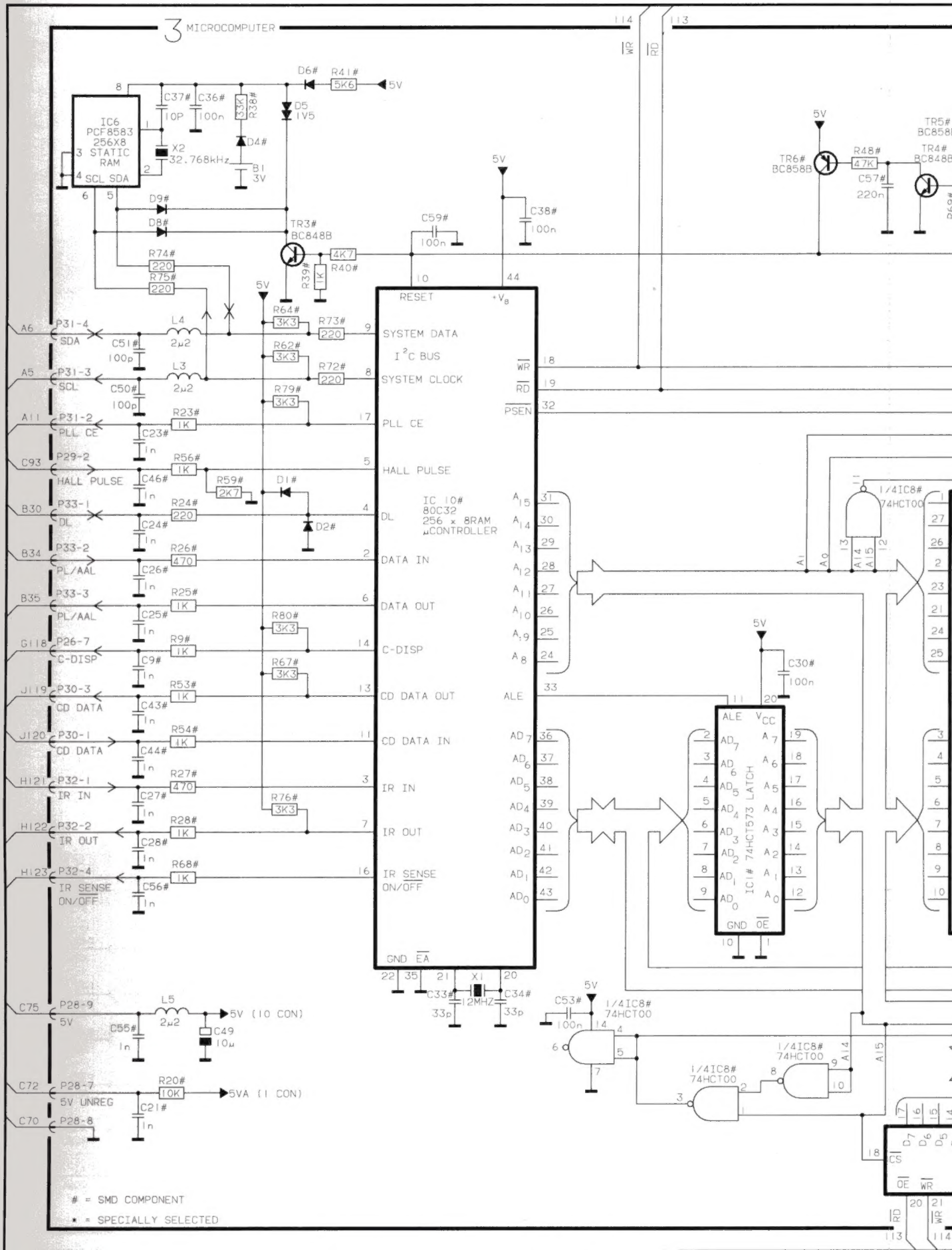
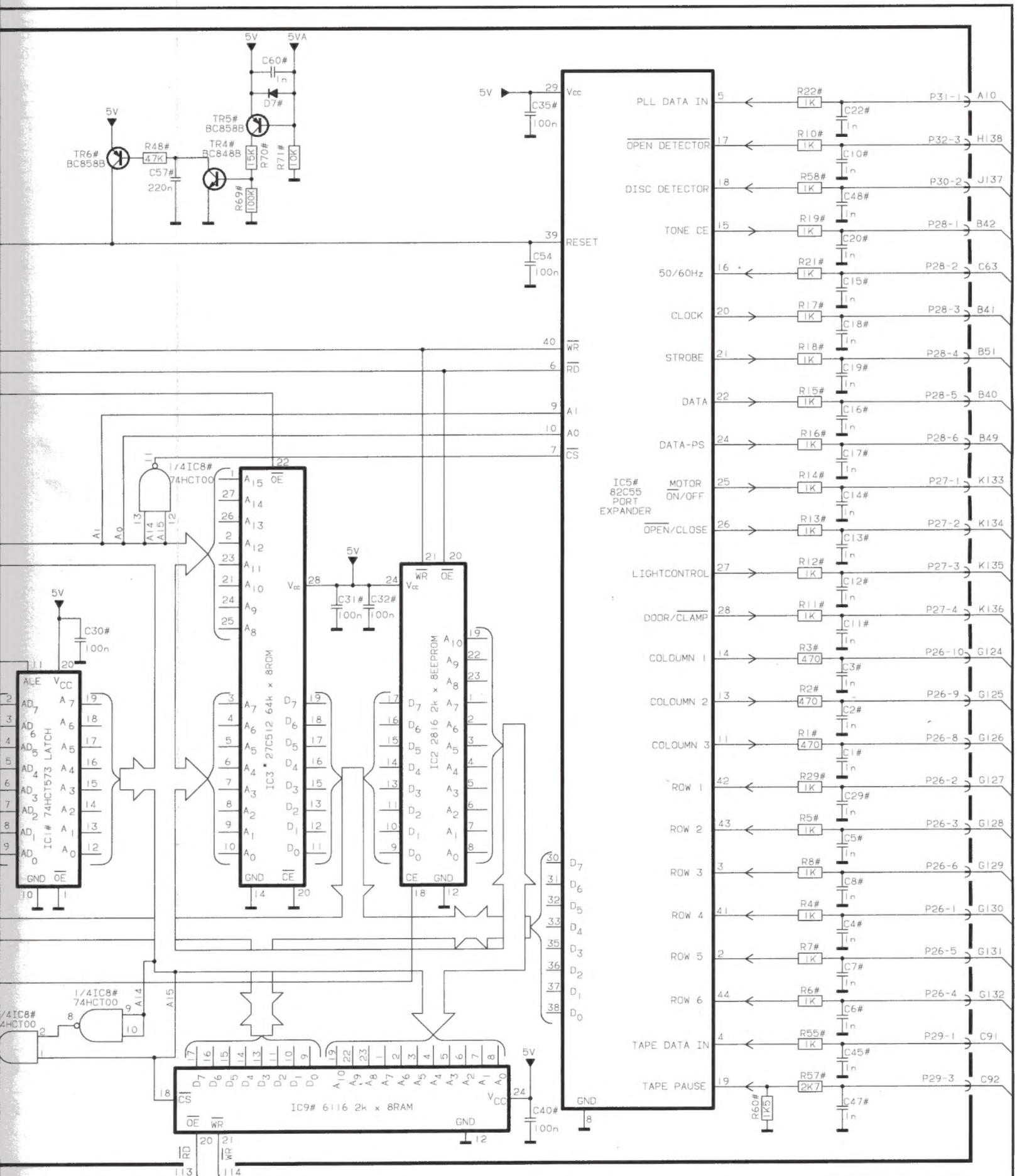
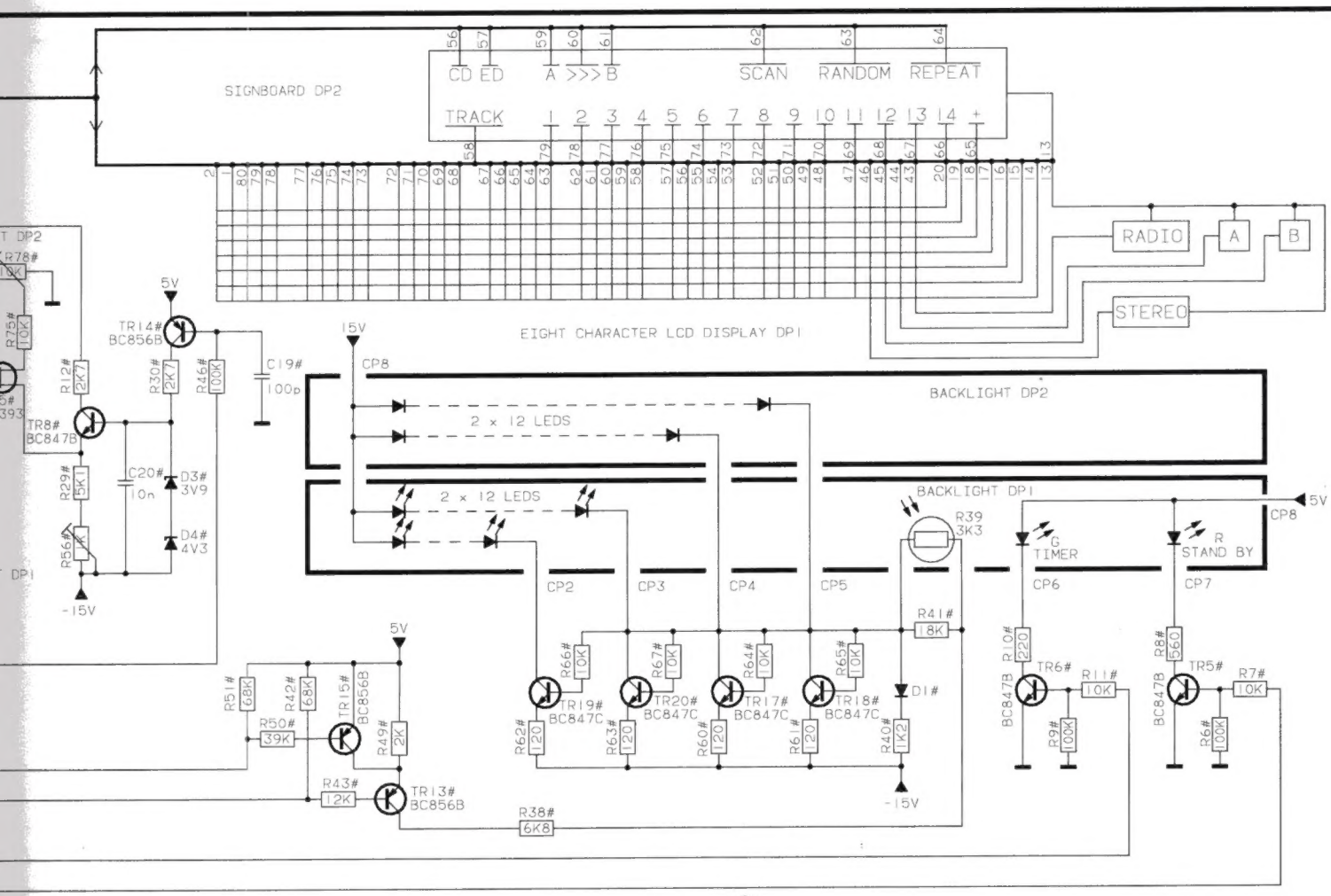


DIAGRAM F MICROCOMPUTER




5V
5VA
C60# 1n
D7#
TR5# BC858B
TR6# BC858B
R48# 47K
TR4# BC848B
C57# 220n
R69# 100K
R70# 15K
R71# 10K
C54 100n
C35# 100n
IC5# 82C55 PORT EXPANDER
Vcc
RESET
WR
RD
A1
A0
CS
PLL DATA IN
OPEN DETECTOR
DISC DETECTOR
TONE CE
50/60Hz
CLOCK
STROBE
DATA
DATA-PS
MOTOR ON/OFF
OPEN/CLOSE
LIGHTCONTROL
DOOR/CLAMP
COLOUMN 1
COLOUMN 2
COLOUMN 3
ROW 1
ROW 2
ROW 3
ROW 4
ROW 5
ROW 6
TAPE DATA IN
TAPE PAUSE
GND
R22# 1K
R10# 1K
R58# 1K
R19# 1K
R21# 1K
R17# 1K
R18# 1K
R15# 1K
R16# 1K
R14# 1K
R13# 1K
R12# 1K
R11# 1K
R3# 470
R2# 470
R1# 470
R29# 1K
R5# 1K
R8# 1K
R4# 1K
R7# 1K
R6# 1K
R55# 1K
R57# 2K7
R60# 1K5
C22# 1n
C10# 1n
C48# 1n
C20# 1n
C15# 1n
C18# 1n
C19# 1n
C16# 1n
C17# 1n
C14# 1n
C13# 1n
C12# 1n
C11# 1n
C3# 1n
C2# 1n
C1# 1n
C29# 1n
C5# 1n
C8# 1n
C4# 1n
C7# 1n
C6# 1n
C45# 1n
C47# 1n
P31-1 A10
P32-3 H138
P30-2 J137
P28-1 B42
P28-2 C63
P28-3 B41
P28-4 B51
P28-5 B40
P28-6 B49
P27-1 K133
P27-2 K134
P27-3 K135
P27-4 K136
P26-10 G124
P26-9 G125
P26-8 G126
P26-2 G127
P26-3 G128
P26-6 G129
P26-1 G130
P26-5 G131
P26-4 G132
P29-1 C91
P29-3 C92
1/4IC8# 74HCT00
C30# 100n
IC1# 74HCT573 LATCH
ALE
AD7
AD6
AD5
AD4
AD3
AD2
AD1
AD0
IC3 * 27C512 64k x 8ROM
C31# 100n
C32# 100n
IC2 2816 2k x 8EEPROM
IC9# 6116 2k x 8RAM
C40# 100n
A15
A14


SIGNBOARD DP2
CD ED
A >>> B
SCAN
RANDOM
REPEAT
TRACK
1 2 3 4 5 6 7 8 9 10 11 12 13 14 +
RADIO
A
B
STEREO
EIGHT CHARACTER LCD DISPLAY DP1
BACKLIGHT DP2
2 x 12 LEDS
BACKLIGHT DP1
2 x 12 LEDS
G
TIMER
R
STAND BY
CP2
CP3
CP4
CP5
CP6
CP7
CP8
5V
15V
-15V
TR14# BC856B
TR8# BC847B
TR19# BC847C
TR20# BC847C
TR17# BC847C
TR18# BC847C
TR6#
TR5#
TR15# BC856B
TR13# BC856B
D1#
D3# 3V9
D4# 4V3
R39 3K3
R41# 18K
R40# 1K2
R38# 6K8
C19# 100n
C20# 10n

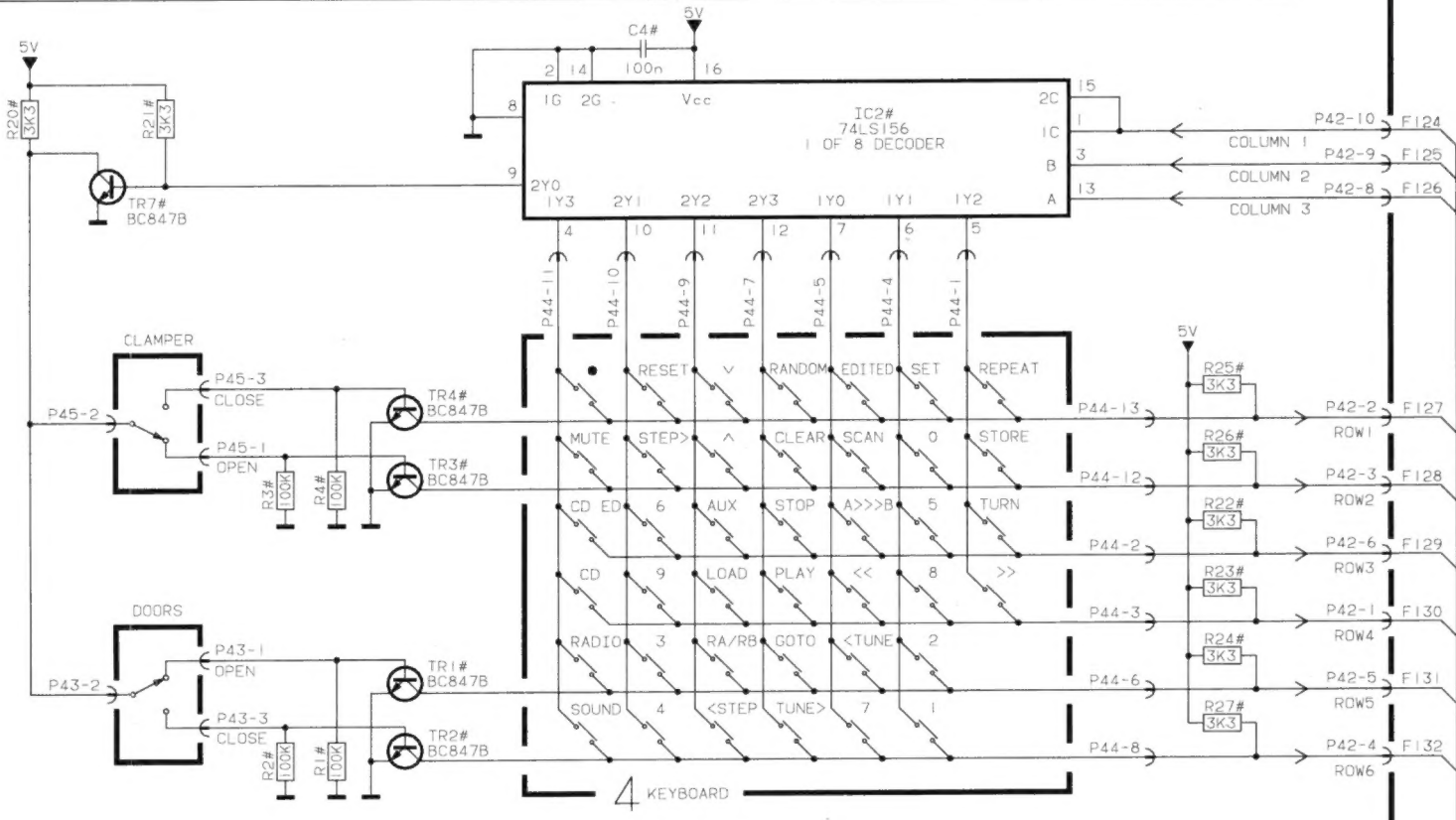

5V
C4# 100n
IC2# 74LS156
1 OF 8 DECODER
1G 2G Vcc
2C 1C B A
2Y0 1Y3 2Y1 2Y2 2Y3 1Y0 1Y1 1Y2
TR7# BC847B
P42-10 F124 COLUMN 1
P42-9 F125 COLUMN 2
P42-8 F126 COLUMN 3
P44-11 P44-10 P44-9 P44-7 P44-5 P44-4 P44-1
CLAMPER
P45-2
P45-3 CLOSE
P45-1 OPEN
TR4# BC847B
TR3# BC847B
DOORS
P43-2
P43-1 OPEN
P43-3 CLOSE
TR1# BC847B
TR2# BC847B
RESET V RANDOM EDITED SET REPEAT
MUTE STEP> ^ CLEAR SCAN 0 STORE
CD ED 6 AUX STOP A>>>B 5 TURN
CD 9 LOAD PLAY << 8 >>
RADIO 3 RA/RB GOTO <TUNE 2
SOUND 4 <STEP TUNE> 7 1
P44-13 P44-12 P44-2 P44-3 P44-6 P44-8
P42-2 F127 ROW1
P42-3 F128 ROW2
P42-6 F129 ROW3
P42-1 F130 ROW4
P42-5 F131 ROW5
P42-4 F132 ROW6
R25# 3K3
R26# 3K3
R22# 3K3
R23# 3K3
R24# 3K3
R27# 3K3
4 KEYBOARD

DIAGRAM G DISPLAY AND KEYBOARD